

Amendment under 37 C.F.R. § 1.116  
U.S. Application No. 10/825,609

### **AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

#### **LISTING OF CLAIMS:**

1. (currently amended) A printing apparatus comprising:

a printing head for ejecting ink to a medium to carry out printing thereon; and

a side-reversing member for reversing the sides of said medium that is printed by said printing head,

wherein a waiting time for drying, before reversing said medium with said side-reversing member, the ink ejected to said medium is set according to:

an amount of ink ejected by said printing head, and

an elapsed-time from when the ink was ejected by the printing head,

wherein:

a printing area is divided into several areas and said amount of ink and said elapsed-time are measured for each divided printing area,

every time the printing head ejects ink to each divided area, an amount of ink ejected to the divided area is calculated, and a new accumulated value is obtained by adding the calculated amount of ink to a value obtained by multiplying a predetermined coefficient to an accumulated value previously obtained, and

the waiting time is set based on a final accumulated value that is obtained at an end of printing on the front side of said medium.

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2. (original) A printing apparatus according to claim 1, further comprising a carrying member for carrying said medium,

wherein said printing head performs a printing action during intervals between carrying actions of said carrying member.

3. (original) A printing apparatus according to claim 2, wherein  
said waiting time is set according to  
an amount of ink ejected by said printing head during an interval between the carrying actions of said carrying member, and  
an elapsed-time from the printing action performed by said printing head during said interval between said carrying actions.

4. (original) A printing apparatus according to claim 1, wherein  
said amount of ink ejected by said printing head is calculated based on a number of times said ink is ejected by said printing head, and  
an amount of said ink ejected by said printing head per one ejection action.

5. (original) A printing apparatus according to claim 1, wherein  
said waiting time differs according to a type of said ink ejected by said printing head.

6. (original) A printing apparatus according to claim 1, wherein  
said waiting time differs according to a type of said medium that is printed by said  
printing head.

7. (original) A printing apparatus according to claim 1, wherein  
said waiting time differs according to surrounding temperature.

8. (original) A printing apparatus according to claim 1, wherein  
said waiting time differs according to surrounding humidity.

9. (currently amended) A printing apparatus comprising:  
a printing head for ejecting ink to a medium to carry out printing thereon;  
a side-reversing member for reversing the sides of said medium that is printed by  
said printing head; and  
a carrying member for carrying said medium,  
wherein:  
said printing head performs a printing action during intervals between carrying  
actions of said carrying member;  
a waiting time for drying, before reversing said medium with said side-reversing  
member, the ink ejected to said medium is set according to:

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an amount of ink ejected by said printing head during an interval between the carrying actions of said carrying member, and

an elapsed-time from the printing action performed by said printing head during said interval between said carrying actions;

said amount of ink ejected by said printing head is calculated based on:

a number of times said ink is ejected by said printing head, and

an amount of said ink ejected by said printing head per one ejection action;

wherein:

a printing area is divided into several areas and said amount of ink and said elapsed-time are measured for each divided printing area,

every time the printing head ejects ink to each divided area, an amount of ink ejected to the divided area is calculated, and a new accumulated value is obtained by adding the calculated amount of ink to a value obtained by multiplying a predetermined coefficient to an accumulated value previously obtained, and

the waiting time is set based on a final accumulated value that is obtained at an end of printing on the front side of said medium.

10. (currently amended) A computer-readable storage medium having recorded thereon a program executed by a printing apparatus that includes a printing head for ejecting ink

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to a medium to carry out printing thereon, and a side-reversing member for reversing the sides of said medium that is printed by said printing head, said program ~~comprising~~achieving the step of:

setting a waiting time for drying, before reversing said medium with said side-reversing member, the ink ejected to said medium according to:

an amount of ink ejected by said printing head, and

an elapsed-time from when the ink was ejected by the printing head,

wherein:

a printing area is divided into several areas and said amount of ink and said elapsed-time are measured for each divided printing area,

every time the printing head ejects ink to each divided area, an amount of ink ejected to the divided area is calculated, and a new accumulated value is obtained by adding the calculated amount of ink to a value obtained by multiplying a predetermined coefficient to an accumulated value previously obtained, and

the waiting time is set based on a final accumulated value that is obtained at an end of printing on the front side of said medium.

11. (currently amended) A printing method comprising:

ejecting ink to a medium to carry out printing thereon;

waiting in order to dry the ink ejected to said medium, a waiting time set

according to:

an amount of the ink ejected, and

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an elapsed-time from when the ink was ejected; and  
reversing the sides of said medium after waiting for said waiting time,  
wherein:

a printing area is divided into several areas and said amount of ink and  
said elapsed-time are measured for each divided printing area,

every time a printing head ejects ink to each divided area, an amount of  
ink ejected to the divided area is calculated, and a new accumulated value is obtained by adding  
the calculated amount of ink to a value obtained by multiplying a predetermined coefficient to an  
accumulated value previously obtained, and

the waiting time is set based on a final accumulated value that is obtained  
at an end of printing on the front side of said medium.

12. (currently amended) A printing system comprising:

a computer; and

a printing apparatus that is connectable to said computer and that comprises:

a printing head for ejecting ink to a medium to carry out printing thereon, and

a side-reversing member for reversing the sides of said medium that is printed by  
said printing head,

wherein a waiting time for drying, before reversing said medium with said side-reversing  
member, the ink ejected to said medium is set according to:

an amount of ink ejected by said printing head, and

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an elapsed-time from when the ink was ejected by the printing head,  
wherein;

a printing area is divided into several areas and said amount of ink and said elapsed-time are measured for each divided printing area,

every time the printing head ejects ink to each divided area, an amount of ink ejected to the divided area is calculated, and a new accumulated value is obtained by adding the calculated amount of ink to a value obtained by multiplying a predetermined coefficient to an accumulated value previously obtained, and

the waiting time is set based on a final accumulated value that is obtained at an end of printing on the front side of said medium.